

UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: Transgenomic, Inc. : Examiner: N/A
Serial No.: 09/770,410 : Art Unit: N/A
Filing Date: 01/25/2001 :

Title: METHOD AND APPARATUS FOR SEPARATING POLYNUCLEOTIDES USING
MONOLITHIC CAPILLARY COLUMNS

Box ASSIGNMENTS

Assistant Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS, that Whereas we, Christian Huber,
Herbert Oberacher and Andreas Premstaller, Robert M. invented certain new and useful
improvements in METHOD AND APPARATUS FOR SEPARATING
POLYNUCLEOTIDES USING MONOLITHIC CAPILLARY COLUMNS, and have
disclosed the same in an application for Letters Patent, Serial No. 09/770,410, filed in the United
States Patent and Trademark Office on 01/25/2001; and

WHEREAS TRANSGENOMIC, INC., a corporation duly organized and existing under
the laws of DELAWARE, and having a post office address at 2032 CONCOURSE DRIVE,
SAN JOSE, CA 95131 is desirous of acquiring an interest therein and in the Letters Patent to
be obtained therefor from the United States Patent and Trademark Office;

NOW THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good
and valuable considerations to us by TRANSGENOMIC, INC., the receipt whereof is hereby
acknowledged, We do hereby sell, assign, transfer and set over unto TRANSGENOMIC, INC.,
its successors and assigns, the entire right, title and interest in, to and under the said application

for United States Letters Patent, including all priority rights arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for the said inventions, or any of them.

TO HAVE, HOLD and ENJOY the said inventions, the said Application, and the said Letters Patent to said TRANSGENOMIC, INC., its successors and assigns, to its and their own use and behoof to the full end of the term or terms for which the said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

And We do hereby authorize and request the Commissioner of Patents of the United States to issue any United States Letters Patent which may be granted on the said application, or any original, divisional, reissue, continuation, or provisional applications, or for the said inventions of any of them, to said TRANSGENOMIC, INC., its successors and assigns, as assignees of the entire right, title and interest therein and thereto.

And We do hereby, for ourselves and for our legal representatives, covenant and agree with TRANSGENOMIC, INC., its successors and assigns, that We have granted to others no license to make, use or sell any of the said inventions, that our right, title and interest in the said inventions has not been encumbered, that We have good right and title to sell and assign the same, and that We will not execute any instrument in conflict herewith.

And We do hereby, for ourselves and for our legal representatives, further covenant and agree with TRANSGENOMIC, INC., its successors and assigns, that upon request We will, and they shall, execute original, divisional, reissue, continuation, or provisional applications, amended specifications, or rightful oaths; communicate to TRANSGENOMIC, INC., its successors and assigns, any facts known to us relating to the said inventions or the history

thereof; execute preliminary statements and testify in any interference proceedings; execute and deliver any application papers, assignments, or other instruments, and do all other acts which, in the opinion of counsel for TRANSGENOMIC, INC., may be necessary or convenient to secure the grant of Letters Patent to TRANSGENOMIC, INC., its successors and assigns, or its nominees, in the United States and in all other countries where TRANSGENOMIC, INC. may desire to have the said inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for TRANSGENOMIC, INC., and to vest and confirm in TRANSGENOMIC, INC., its successors and assigns, or its nominees, the full and complete legal and equitable title to all such Letters Patent, without further consideration than now paid but at the expense of TRANSGENOMIC, INC., its successors and assigns.

The undersigned hereby grant to WILLIAM B. WALKER, Registration No. 22,498, Transgenomic, Inc., the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trade-mark Office for recordation of this document.

IN WITNESS WHEREOF, We have hereunto set our hands and seals on the dates

indicated below:

INNSBRUCK, AM

Date: 2001-07-12

Dr. Christian Huber
Christian Huber

Date: 2001-07-12

Herbert Oberacher
Herbert Oberacher

Date: _____

Andreas Premstaller

BRZ: 1814/01

Die Echtheit der Unterschriften des Herrn Magister Doktor Christian H u b e r , geboren am 27.06.1966 (siebenundzwanzigster Juni neunzehnhundertsechszundsechzig), Chemiker, Ulmenstraße 65, A-6063 Rum und des Herrn Magister Herbert Franz Oberacher , geboren am 15.03.1976 (fünfzehnter März neunzehnhundertsechszundsiebzig), Chemiker, Schulstraße 17, A-6161 Natters, wird hiemit bestätigt. -----
Innsbruck, am 12.7.2001 (zwölfter Juli zweitausendeins).-----




Dr. Christoph MOSER
Substitut des öffentlichen Notars
Dr. Hanspeter ZOBL
mit dem Amtssitz in Innsbruck



UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: Transgenomic, Inc. : Examiner: N/A
Serial No.: 09/770,410 : Art Unit: N/A
Filing Date: 01/25/2001 :

Title: METHOD AND APPARATUS FOR SEPARATING POLYNUCLEOTIDES USING
MONOLITHIC CAPILLARY COLUMNS

Box ASSIGNMENTS

Assistant Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS, that Whereas we, Christian Huber,
Herbert Oberarcher and Andreas Premstaller, invented certain new and useful improvements in
METHOD AND APPARATUS FOR SEPARATING POLYNUCLEOTIDES USING
MONOLITHIC CAPILLARY COLUMNS, and have disclosed the same in an application for
Letters Patent, Serial No. 09/770,410, filed in the United States Patent and Trademark Office on
01/25/2001; and

WHEREAS TRANSGENOMIC, INC., a corporation duly organized and existing under
the laws of DELAWARE, and having a post office address at 2032 CONCOURSE DRIVE,
SAN JOSE, CA 95131 is desirous of acquiring an interest therein and in the Letters Patent to
be obtained therefor from the United States Patent and Trademark Office;

NOW THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good
and valuable considerations to us by TRANSGENOMIC, INC., the receipt whereof is hereby
acknowledged, We do hereby sell, assign, transfer and set over unto TRANSGENOMIC, INC.,
its successors and assigns, the entire right, title and interest in, to and under the said application

for United States Letters Patent, including all priority rights arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for the said inventions, or any of them.

TO HAVE, HOLD and ENJOY the said inventions, the said Application, and the said Letters Patent to said TRANSGENOMIC, INC., its successors and assigns, to its and their own use and behoof to the full end of the term or terms for which the said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

And We do hereby authorize and request the Commissioner of Patents of the United States to issue any United States Letters Patent which may be granted on the said application, or any original, divisional, reissue, continuation, or provisional applications, or for the said inventions of any of them, to said TRANSGENOMIC, INC., its successors and assigns, as assignees of the entire right, title and interest therein and thereto.

And We do hereby, for ourselves and for our legal representatives, covenant and agree with TRANSGENOMIC, INC., its successors and assigns, that We have granted to others no license to make, use or sell any of the said inventions, that our right, title and interest in the said inventions has not been encumbered, that We have good right and title to sell and assign the same, and that We will not execute any instrument in conflict herewith.

And We do hereby, for ourselves and for our legal representatives, further covenant and agree with TRANSGENOMIC, INC., its successors and assigns, that upon request We will, and they shall, execute original, divisional, reissue, continuation, or provisional applications, amended specifications, or rightful oaths; communicate to TRANSGENOMIC, INC., its successors and assigns, any facts known to us relating to the said inventions or the history

thereof; execute preliminary statements and testify in any interference proceedings; execute and deliver any application papers, assignments, or other instruments, and do all other acts which, in the opinion of counsel for TRANSGENOMIC, INC., may be necessary or convenient to secure the grant of Letters Patent to TRANSGENOMIC, INC., its successors and assigns, or its nominees, in the United States and in all other countries where TRANSGENOMIC, INC. may desire to have the said inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for TRANSGENOMIC, INC., and to vest and confirm in TRANSGENOMIC, INC., its successors and assigns, or its nominees, the full and complete legal and equitable title to all such Letters Patent, without further consideration than now paid but at the expense of TRANSGENOMIC, INC., its successors and assigns.

The undersigned hereby grant to WILLIAM B. WALKER, Registration No. 22,498, Transgenomic, Inc., the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trade-mark Office for recordation of this document.

IN WITNESS WHEREOF, We have hereunto set our hands and seals on the dates indicated below:

Date: _____

Christian Huber

Date: _____

Herbert Oberacher

Date: 17/7/2001



Andreas Premstaller

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

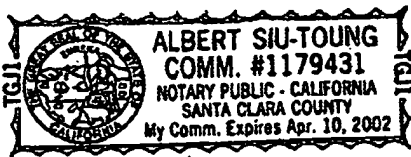
State of CALIFORNIA

County of SANTA CLARA

On July 17th 2001 before me, ALBERT SIU-TOUNG
DATE NAME, TITLE OF OFFICER - E.G., "JANE DOE, NOTARY PUBLIC"

personally appeared ANDREAS PREMSTALLER
NAME(S) OF SIGNER(S)

☐ personally known to me - OR - ☒ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

[Signature]
SIGNATURE OF NOTARY

OPTIONAL

Though the data below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent reattachment of this form.

CAPACITY CLAIMED BY SIGNER

- ☒ INDIVIDUAL
☐ CORPORATE OFFICER

TITLE(S)

- ☐ PARTNER(S) ☐ LIMITED
☐ GENERAL
☐ ATTORNEY-IN-FACT
☐ TRUSTEE(S)
☐ GUARDIAN/CONSERVATOR
☐ OTHER: _____

SIGNER IS REPRESENTING:
NAME OF PERSON(S) OR ENTITY(IES)

DESCRIPTION OF ATTACHED DOCUMENT

ASSIGNMENT

TITLE OR TYPE OF DOCUMENT

3

NUMBER OF PAGES

7-17-01

DATE OF DOCUMENT

SIGNER(S) OTHER THAN NAMED ABOVE